

Message

From: Strynar, Mark [Strynar.Mark@epa.gov]
Sent: 4/16/2020 4:11:11 PM
To: Bamford, Lauren [bamford.lauren@epa.gov]
Subject: Re: [External] RE: Water Resources Speaker Request for NC-DEQ Division of Water Resources Staff, Raleigh (multiple dates available in 2020) - March 30

We canceled and will reschedule at a later date so I can do it in person.

Mark

Dr. Mark Strynar
US EPA/ORD/CEMM
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(mobile) Ex. 6 Personal Privacy (PP)

From: Bamford, Lauren <bamford.lauren@epa.gov>
Sent: Thursday, April 16, 2020 11:41 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: [External] RE: Water Resources Speaker Request for NC-DEQ Division of Water Resources Staff, Raleigh (multiple dates available in 2020) - March 30

Hi Mark,

Did NCDEQ end up pivoting this presentation to a virtual format or did they cancel/postpone? I'm working on updating our outreach records.

Thanks and hope you and your family are doing well!

Lauren

Lauren Bamford

Coordinator of EPA-RTP's Community Engagement & STEM Education Program
ORAU Student Services Contractor
109 TW Alexander Dr. | Room D320G | Mail Drop D305-01 | U.S. EPA | RTP | NC | 27711
919-541-2655 (office)
Bamford.Lauren@epa.gov
EPA-RTP Speakers Bureau, <http://www.epa.gov/rtp-speakers-bureau>

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Tuesday, January 21, 2020 11:14 AM
To: Daniel, Lauren <Lauren.Daniel@ncdenr.gov>; Witter, Kelly <Witter.Kelly@epa.gov>
Cc: Bamford, Lauren <bamford.lauren@epa.gov>
Subject: RE: [External] RE: Water Resources Speaker Request for NC-DEQ Division of Water Resources Staff, Raleigh (multiple dates available in 2020) - March 30

I can bring my PC from EPA for the presentation. FYI I just had this abstract cleared for the NTA meeting we are having here in Durham in May. I imagine something like this for the talk at NC DEQ.

Applications of high-resolution mass spectrometry (HRMS) for PFAS characterization in the environment

Mark Strynar

US EPA Office of Research and Development

Center for Environmental Measurement and Modeling

Per- and polyfluorinated alkyl substances (PFAS) are a class of man-made substances of worldwide importance. Their utility in a variety of industrial and consumer applications has made them ubiquitous. It is uncommon to find environmental media that is devoid of PFAS. A wealth of monitoring data for well-known or “legacy” PFAS exists in the literature, with that data growing rapidly. Adding to the complexity of this topic of study is the changing landscape of PFAS found in the environment due to: altered PFAS production formulations/key ingredients, fate and transport of legacy and contemporary PFAS and investigations of previously understudied media (mainly air). High resolution mass spectrometry (HRMS) is an ideal tool for study of these complex systems and is trending in the direction of becoming the norm rather than the exception. Application of either LC or GC based HRMS investigations allows for the query of not only known PFAS through suspect screening in large compiled databases (ex. US EPA’s Chemicals Dashboard) but also novel compound discovery. Accurate mass measurements coupled with MS/MS experiments allows for the detection and accurate prediction of novel chemicals formulae and proposal of structures. An added benefit of these HRMS investigations, if properly conducted and data banked, is MS and MS/MS queries is possible for present and future studies. This presentation will focus on lessons learned in the application of HRMS to PFAS compound discovery in multiple applications including industrial waste streams, water, air emission and commercial products. Aiding in these investigations are the unique properties of PFAS including often including homologous series, negative mass defect, diagnostic fragment ions and extreme inertness. Hampering progress is often the lack of authentic standards for unequivocal compound identification and quantitation. Often also adding to the potential issues are the lack of any data on toxicology and risk for regulatory decision makers. Though there are areas for improvement in this process much progress has been made. Novel PFAS compound discovery using HRMS has often outpaced our ability to answer the questions associated with these findings. The use of HRMS for both environmental screening and discovery is leading, with other environmental science disciplines needing to catch up.

Keynote Talk at NonTarget 2020 conference (<https://nta.setac.org>)

May 26 – 30, 2020 at the Durham, NC convention center

“Applications to Regulatory Frameworks and Monitoring Programs Session”

From: Daniel, Lauren <Lauren.Daniel@ncdenr.gov>

Sent: Tuesday, January 21, 2020 10:52 AM

To: Witter, Kelly <Witter.Kelly@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>

Cc: Bamford, Lauren <bamford.lauren@epa.gov>

Subject: RE: [External] RE: Water Resources Speaker Request for NC-DEQ Division of Water Resources Staff, Raleigh (multiple dates available in 2020) - March 30

Hi Everyone-

We would love to have Mark come speak on March 30 from 10-11. We will have a projector set up and ready. Mark- would you like to bring a laptop or use ours? We have reserved the Ground Floor Hearing Room in the Archdale Building (512 N. Salisbury Street) for you to speak.

If you have a moment, I'd love for you to send me a blurb about your talk and about your role at the EPA so I can share it with my colleagues when I announce the presentation.

Thank you so much for your willingness to come speak!
We are looking forward to having you,
Lauren

From: Witter, Kelly <Witter.Kelly@epa.gov>
Sent: Tuesday, January 21, 2020 9:00 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Daniel, Lauren <Lauren.Daniel@ncdenr.gov>
Cc: Bamford, Lauren <bamford.lauren@epa.gov>
Subject: [External] RE: Water Resources Speaker Request for NC-DEQ Division of Water Resources Staff, Raleigh (multiple dates available in 2020) - March 30

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Hi Lauren,

Is the March 30 date available for Mark? He's the one who kindly gave the impromptu lab tour during your visit last week.

Kelly

Kelly Witter, Director of EPA-RTP's Community Engagement & STEM Education Program (CE-STEM)
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109 TW Alexander Dr. | Room D320L | Mail Drop D305-01 | U.S. EPA | RTP | NC | 27711
Learn more about our Program: https://www.epa.gov/sites/production/files/2016-05/documents/stemoutreachprogram_factsheet.pdf
EPA-RTP Speakers Bureau, <http://www.epa.gov/rtp-speakers-bureau>



From: Strynar, Mark
Sent: Tuesday, January 21, 2020 7:57 AM
To: Witter, Kelly <Witter.Kelly@epa.gov>; Schaeffer, Blake <Schaeffer.Blake@epa.gov>; Salls, Wilson <salls.wilson@epa.gov>; Rea, Anne <Rea.Anne@epa.gov>
Cc: Daniel, Lauren <Lauren.Daniel@ncdenr.gov>; Bamford, Lauren <bamford.lauren@epa.gov>
Subject: RE: Water Resources Speaker Request for NC-DEQ Division of Water Resources Staff, Raleigh (multiple dates available in 2020)

Kelly,

We have worked pretty closely with NC DEQ over the past 3 years concerning PFAS in the air and water around the Chemours plant in Fayetteville. I am glad to go over and give an updated talk or what else we are finding with PFAS in other parts of the country. I could take the first slot in March if it is not yet taken.

Mark

From: Witter, Kelly <Witter.Kelly@epa.gov>

Sent: Friday, January 17, 2020 11:01 AM

To: Strynar, Mark <Strynar.Mark@epa.gov>; Schaeffer, Blake <Schaeffer.Blake@epa.gov>; Salls, Wilson <salls.wilson@epa.gov>; Rea, Anne <Rea.Anne@epa.gov>

Cc: Daniel, Lauren <Lauren.Daniel@ncdenr.gov>; Bamford, Lauren <bamford.lauren@epa.gov>

Subject: Water Resources Speaker Request for NC-DEQ Division of Water Resources Staff, Raleigh (multiple dates available in 2020)

Hi All,

Lauren Daniel (NC-DEQ) is looking for EPA scientists to come speak to the Division of Water Resources staff about their research, programs, or projects. The sky is the limit, and the operative term is "knowledge sharing." The location would be downtown Raleigh in the Archdale building (512 N. Salisbury St). The time is 10:00-11:00 on any of the dates below. They would welcome multiple EPA speakers so feel free to share with others who I may have missed. Just let Lauren Bamford and I know if you schedule a talk so we can keep track in our CE-STEM database.

3/30

4/27

5/18

6/29

7/27

8/31

9/28

10/26


11/30

As background, Lauren and her NC-DEQ colleagues visited our campus earlier this week to learn about our CE-STEM Program in order to gather ideas on how they can implement a similar program at DEQ. (Thanks to Mark for the impromptu lab tour during their visit!)

Thank you!

Kelly

Kelly Witter, Director of EPA-RTP's Community Engagement & STEM Education Program (CE-STEM)

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Learn more about our Program: https://www.epa.gov/sites/production/files/2016-05/documents/stemoutreachprogram_factsheet.pdf

EPA-RTP Speakers Bureau, <http://www.epa.gov/rtp-speakers-bureau>



From: Daniel, Lauren [<mailto:Lauren.Daniel@ncdenr.gov>]

Sent: Friday, January 17, 2020 10:44 AM

To: Witter, Kelly <Witter.Kelly@epa.gov>; Bamford, Lauren <bamford.lauren@epa.gov>

Subject: Water Resources Speaker Request

Hi Kelly!

I'm hoping you can connect me with people who may be willing to come speak to the Division of Water Resources staff about their research, programs, or projects. The sky is the limit, and the operative term is "knowledge

sharing". Unfortunately, we can't offer any stipends. The location would be downtown Raleigh in the Archdale building (512 N. Salisbury St). The dates we're looking for speakers are 10:00-11:00 time slot during:

3/30
4/27
5/18
6/29
7/27
8/31
9/28
10/26
11/30

Please let me know if you have anyone who would be willing to come in! Feel free to forward this email out to your colleagues.

Thanks for your time!
Lauren